

和文の説明は裏面にあります。

TTM-00B "BOARD TYPE" USER'S MANUAL DIGITAL TEMPERATURE CONTROLLER

Thank you for purchasing model **TTM-00B**
"BOARD TYPE" Digital Temperature Controller.
Please go through carefully this Instruction Manual
and use the unit in proper manner.

NOTICE/WARNING BEFORE OPERATION USE

- When having the purchased controller at hand, please be sure that its unit is a correct model (See the following "Model Configuration").
- The following symbol marks **⚠** provide to prevent incident or damage. Kindly refer to the details of the WARNING/CAUTION when using for the first time.
- Another copy of the user's manual "Advanced Version" is provided at customer's request.

⚠ WARNING
Due to mishandling, serious dangers may occur to the operator such as death, electrocution and a skin burn.

⚠ CAUTION
Owing to mishandling, it may cause some damage to the unit or the operator getting slight injury.

⚠ CAUTION
●For prevention of its malfunction, do not push the front key with sharp points.
●Spare terminal must not be used for other purposes.

⚠ WARNING
●Make sure the correct wiring connection before turning on electricity.
Mis-wiring may cause malfunction of the unit and fire.
●Never modify the unit to prevent damage or incident such as malfunction and fire etc.

- Please put this user's manual aside for your reference, when operating the unit.
- Copy or reprint of this manual, wholly or partially, is not allowed.
- The contents of this manual may change without notice in future.

ACCESSORY & CONFIGURATION

- 1) Please be sure that the unit enclosed in packing carton is a right model before using.
- 2) Kindly check the following accessory being contained in that carton box.
 - This user's manual : 1 copy
 - Control board : 1 pce
 - Display board : 1 pce
 - Connection cable (30 mm length) : 1 pce
- 3) Model Configuration

TTM-00B-□-A□□□

OUTPUT 1	CODE	OPTION	CODE
Relay contact	R	Event2 (Relay contact output2)	B
SSR drive voltage	P	Out2 (SSR drive voltage)	D
		CT input	P
		DI (Digital input)	E
		Communication RS-485	M

SPECIFICATIONS

Power Supply Voltage	100 to 240V AC, 50/60Hz
Power Consumption	Below 10 VA
Memory Element	EEPROM
Input of Sensor	Thermocouple/R.T.D. (Change by front key)
Control Output	Relay contact, SSR drive voltage
Control Method	Two kinds of PID, ON/OFF
Operation Environment	0 to 50°C, 20 to 90%RH (Avoid making dew)
Storage Environment	-25 to 70°C, 5 to 95%RH (Avoid making dew)
Weight	Less than 90g
Location of the Unit Setting	Away from the followings. <ul style="list-style-type: none">• Gas of corrosion, dust and oily smoke.• The generator of electric noise.• The influence of electromagnetic field.• Mechanical vibration and shock.• The direct sunshine.
Installation condition	Installation category II

⚠ CAUTION

OPERATION FLOW AND SETTING MENU

Setting display shows the existence of option.

